

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4914756

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RANGA RAO ARNEPALLI	03/23/2018
	DARSHAN THAKARE	04/10/2018
	PRERNA SONTHALIA GORADIA	04/10/2018
	ABHIJIT BASU MALLICK	04/13/2018
	PRAMIT MANNA	04/12/2018
	NILESH CHIMANRAO BAGUL	04/13/2018
	ROBERT JAN VISSER	03/23/2018
RECEIVING PARTY DATA		
Name:	APPLIED MATERIALS, INC.	
Street Address:	3050 BOWERS AVENUE	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15489242
CORRESPONDENCE DATA		
Fax Number:	(650)326-2422	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	650-326-2400	
Email:	kalvarez@kilpatricktownsend.com	
Correspondent Name:	KYLE A. BROWN	
Address Line 1:	KILPATRICK TOWNSEND & STOCKTON LLP	
Address Line 2:	1100 PEACHTREE STREET, SUITE 2800	
Address Line 4:	ATLANTA, GEORGIA 30309	
ATTORNEY DOCKET NUMBER:	080042-024904USA-1040397	
NAME OF SUBMITTER:	KRISTINA ALVAREZ	
SIGNATURE:	/Kristina Alvarez/	
DATE SIGNED:	04/13/2018	

PATENT

Total Attachments: 8

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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	RANGA RAO ARNEPALLI Krishna, India	2)	DARSHAN THAKARE Maharashtra, India
3)	ABHIJIT BASU MALLICK Fremont, CA USA	4)	PRAMIT MANNA Milpitas, CA USA
5)	ROBERT JAN VISSER Menlo Park, CA USA	6)	PRERNA SONTALIA GORADIA Mumbai, India
7)	NILESH CHIMANRAO BAGUL Bangalore, India		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

FLOWABLE GAPFILL USING SOLVENTS

for which application for Letters Patent in the United States was filed on **April 17, 2017**, under Application No. **15/489,242**, executed on even date herewith.

WHEREAS, APPLIED MATERIALS, INC., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for

interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 26th March, 2018
Date

A. Ranga Rao
RANGA RAO ARNEPALLI

2)

Date

DARSHAN THAKARE

3)

Date

ABHIJIT BASU MALLICK

4)

Date

PRAMIT MANNA

5)

Date

ROBERT JAN VISSER

6)

Date

PRERNA SONTALIA GORADIA

7)

Date

NILESH CHIMANRAO BAGUL

70645829V.1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	RANGA RAO ARNEPALLI Krishna, India	2)	DARSHAN THAKARE Maharashtra, India
3)	ABHIJIT BASU MALLICK Fremont, CA USA	4)	PRAMIT MANNA Milpitas, CA USA
5)	ROBERT JAN VISSER Menlo Park, CA USA	6)	PRERNA SONTALIA GORADIA Mumbai, India
7)	NILESH CHIMANRAO BAGUL Bangalore, India		

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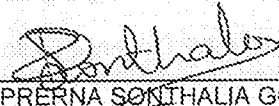
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interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____ Date	_____ RANGA RAO ARNEPALLI
2) <u>April 10, 2018</u> Date	 _____ DARSHAN THAKARE
3) _____ Date	_____ ABHIJIT BASU MALLICK
4) _____ Date	_____ PRAMIT MANNA
5) _____ Date	_____ ROBERT JAN VISSER
6) <u>April 16, 2018</u> Date	 _____ PRERNA SONTHALIA GORADIA
7) _____ Date	_____ NILESH CHIMANRAO BAGUL

70645929V.1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	RANGA RAO ARNEPALLI Krishna, India	2)	DARSHAN THAKARE Maharashtra, India
3)	ABHIJIT BASU MALLICK Fremont, CA USA	4)	PRAMIT MANNA Milpitas, CA USA
5)	ROBERT JAN VISSER Menlo Park, CA USA	6)	PRERNA SONTALIA GORADIA Mumbai, India
7)	NILESH CHIMANRAO BAGUL Bangalore, India		

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2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for

interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	_____	_____
	Date	RANGA RAO ARNEPALLI
2)	_____	_____
	Date	DARSHAN THAKARE
3)	4/13/2018	_____
	Date	ABHIJIT BASU MALLICK
		<small>DocuSigned by:</small> <i>Abhijit Basu Mallick</i> <small>0B4E4AAFCB5455...</small>
4)	4/12/2018	_____
	Date	PRAMIT MANNA
		<small>DocuSigned by:</small> <i>Pramit Manna</i> <small>7EA29CB6EA9F470...</small>
5)	_____	_____
	Date	ROBERT JAN VISSER
6)	_____	_____
	Date	PRERNA SONTALIA GORADIA
7)	4/13/2018	_____
	Date	NILESH CHIMANRAO B.
		<small>DocuSigned by:</small> <i>Nilesh Chimnrao Bagul</i> <small>ED55DBFF1E3148B...</small>

70645929V.1

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	RANGA RAO ARNEPALLI Krishna, India	2)	DARSHAN THAKARE Maharashtra, India
3)	ABHIJIT BASU MALLICK Fremont, CA USA	4)	PRAMIT MANNA Milpitas, CA USA
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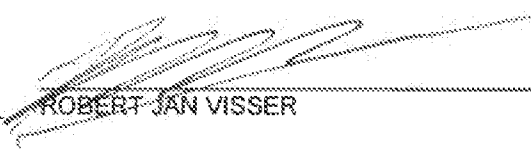
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1)	_____	_____
	Date	RANGA RAO ARNEPALLI
2)	_____	_____
	Date	DARSHAN THAKARE
3)	_____	_____
	Date	ABHIJIT BASU MALLICK
4)	_____	_____
	Date	PRAMIT MANNA
5)	<u>3/23/18</u>	 _____
	Date	ROBERT JAN VISSER
6)	_____	_____
	Date	PRERNA SONTALIA GORADIA
7)	_____	_____
	Date	NILESH CHIMANRAO BAGUL

70645929V.1